

Large Scale 8 & 10 Position Solvent Evaporator (S-EVAP-KD)

DESCRIPTION

The S-EVAP-KD solvent evaporators combine standard KD evaporation procedures with our unique rotary water bath and manifold, increasing sample throughput and bench space. These instruments can accommodate a broad range of applications, making them a staple in a wide variety of labs.

Both the 8 Position S-EVAP KD (Catalog# 12027) and the 10 Position S-EVAP-KD (Catalog# 12010) can hold 250 mL KD flasks. Both units can accommodate glassware for both central solvent collection and individual solvent collection. The 8 Position S-EVAP has a mechanical thermostat, while the 10 Position comes with an electronic side control box, enabling the operator to program specific bath temperatures and time cycles.

These two instruments can recover up to 97% of starting solvent through individual or central collection. This reduces laboratory emissions and increases laboratory and environmental safety. The S-EVAP-KD units can also easily fit within any standard fume hood due to the use of our reduced height glassware. The circular rotating design also allows each sample to be accessed from the front for easy retrieval.

STANDARD FEATURES

- Side control box with digital timer and heat controls **(with model 12020 only)**
- Centrally located water manifold allows for one water supply line in and one drain line out to prevent tangling
- Organomation vacuum insulated concentrator tubes keep delicate samples safe
- Individual or central flasks allow up to 97% recovery of starting solvent



12027
8 Position



12010
10 Position

OPTIONAL FEATURES

- 220 V wiring harness **(Option Code: -2)**
- Z-Purge/intrinsically safe purge case **(Option Code: -Z)**

8 & 10 Position S-EVAP-KD Specifications		
Instrument Catalog Number	12027	12010
Number of Samples	8	10
Application	Kuderna-Danish Flasks/Deep Bath	
Individual Solvent Collection Specifications		
Overall Dimensions (W x D x H)	24 x 22 x 40 in 61 x 56 x 102 cm	26 x 24 x 39 in 66 x 61 x 99 cm
Glassware 250 mL	GS2152	
Solvent Flask Type and Size	Kuderna-Danish; 250 mL, 19/22, 24/40	
Concentrator Tube Type and Size	Insulated Tip; 10 mL, 19/22	
Snyder Column Type and Size	Three Ball; 253 mm, 24/40	
Condenser Type and Size	Inverted Hopkins; 260 mm, 24/40	
Collection Flask Type and Size	Round with Flat Bottom; 250 mL	
Central Solvent Collection Specifications		
Overall Dimensions (W x D x H)	18 x 16 x 40 in 46 x 41 x 102 cm	24 x 19 x 39 in 61 x 48 x 99 cm
Glassware 250 mL	GS2152-C	GS2152, GS2158-C10
Solvent Flask Type and Size	Kuderna-Danish; 250 mL, 19/22, 24/40	
Concentrator Tube Type and Size	Insulated Tip; 10 mL, 19/22	
Snyder Column Type and Size	Three Ball; 253 mm, 24/40	
Condenser Type and Size	Inverted Hopkins; 260 mm, 24/40 ¼ in Tube Fitting	
Central Collection Flask Type and Size	8 Port; Round 2.5 L	10 Port; 4 L
Central Collection Flask Catalog Number	GS2156-C8	GS2158-C10
Heating Device Specifications		
Bath Model Number	13129	14165 (for 240 V models) 16165 (for 120 V models)
Inside Dimensions (Diameter x Depth)	12 x 8.5 in 30.5 x 21.6 cm	16 x 8.5 in 40.6 x 21.6 cm
Outside Dimensions (W x D x H)	18 x 16 x 11 in 46 x 41 x 28 cm	24 x 19 x 10 in 61 x 48 x 25 cm
Total Wattage	1300 W	1600 W (for 240 V models) 1400 W (for 120 V models)
Bath Temperature Range	30-100 °C	30-100 °C
Temperature Controller Type and Controller Accuracy	Mechanical +/- 2 °C	Digital +/- 2 °C